WHAT IS CLAIMED IS:

,)	1
Mar	2 3
()	4
V	5
	6

7

1

2

1

2

1

1

2

A system for receiving electromagnetic and optical signals comprising: a first reflecting device for reflecting the electromagnetic and optical signals: an electromagnetic receiver for receiving the reflected electromagnetic waves. wherein the electromagnetic receiver comprises a second reflecting device for reflecting the optical signals; and

an optical receiver for receiving the optical signals reflected from the electromagnetic receiver.

- 2. 1 The system of claim 1, wherein the first reflecting device comprises a 2 parabolic dish.
 - 3. The system of claim 1, wherein the first reflecting device comprises a material to reflect the optical signals.
 - 4. The system of claim 3, wherein the material comprises a mirror-like material.
 - 5. The system of claim 1, wherein the first reflecting device comprises a material to reflect the electromagnetic signals.
 - 6. The system of claim 5, wherein the material comprises a metallic material.
- The system of claim 6, wherein the metallic material is polished to 7. 1 2 reflect optical signals.
- 1 8. The system of claim 1, wherein the optical signals comprise infrared 2 signals.
- 1 9. The system of claim 1, wherein the electromagnetic signals comprise 2 radio frequency signals.
- 1 10. The system of claim 1, wherein the electromagnetic signals comprise 2 microwave signals.

2

microwave signals.

1	11.	ine system of claim 1, wherein the second reflecting device comprises	
2	a material capable	of reflecting optical signals.	
_	10		
1	12.	The system of claim 12, wherein the material comprises a mirror-like	
2	substance.		
1	13.	The system of claim 1, wherein the first reflecting device reflects the	
2	electromagnetic an	d optical rays to a focus area, wherein the focus area includes the	
3	electromagnetic re	ceiver.	
1	14.	The system of claim 1, further comprising a transmitting system	
2	comprising an optical transmitter.		
_			
1	15.	The system of claim 1, wherein the electromagnetic receiver is	
2	designed to transm	it electromagnetic signals.	
1	16 .	A system for receiving electromagnetic and optical signals comprising	
2	a re	ceiver designed to receive the electromagnetic signals, wherein the	
3	receiver includes an aperture where the electromagnetic signals are received through;		
4	at le	east one lens covering at least a portion of the aperture, wherein the lens is	
5	designed to bend the optical signals;		
6	at le	east one optical receiver designed to receive the bent optical signals; and	
7	an e	lectromagnetic receiver designed to receive the electromagnetic signals	
8	received by the receiver.		
\1	17.	The system of claim 16, wherein the receiver comprises a horn.	
1	18.	The system of claim 16, wherein the optical signals comprise infrared	
2	signals.		
1	19.	The system of claim 16, wherein the electromagnetic signals comprise	
2	radio frequency signals.		
1	20.	The system of claim 16, wherein the electromagnetic signals comprise	

1	ine system of claim 10, wherein the lens is designed to anow		
. 2	electromagnetic signals to pass through the lens.		
- 1	22. The system of claim 16, further comprising a transmitting system		
2	comprising an optical transmitter.		
1 2	23. The system of claim 16, wherein the electromagnetic receiver is designed to transmit electromagnetic signals.		
1	 24. A broadband communications system for receiving electromagnetic 		
2	and optical signals comprising:		
3	a parabolic dish for reflecting the electromagnetic and optical signals to a		
4			
5	an electromagnetic receiver located in the focus area for receiving the reflected		
= 6	electromagnetic waves, wherein the electromagnetic receiver comprises a reflecting device		
₹17	for reflecting the optical signals through the aperture; and		
日6 以7 口8	an optical receiver for receiving the optical signals reflected through the		
4 9	aperture from the electromagnetic receiver.		
□ <u>► 1</u>	25. The system of claim 24, wherein the optical signals comprise infrared		
2	signals.		
	26. The system of claim 24, wherein the electromagnetic signals comprise		
2	radio frequency signals.		
1	27. The system of claim 24, wherein the electromagnetic signals comprise		
2	microwave signals.		